

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Renewal of Special Temporary Authority to Operate Call Sign E070273 with, and Provide TT&C for, EchoStar 6 at 76.95 W.L.

I. Applicant

Name:	EchoStar Corporation	Phone Number:	202-293-0981
DBA Name:		Fax Number:	
Street:	100 Inverness Terrace East	E-Mail:	
City:	Englewood	State:	CO
Country:	USA	Zipcode:	80112
Attention:	Alison Minea		


60 days with conditions

File# SES-STA-20110401-00399

Call Sign E070273 Grant Date 04/08/2011  
(or other identifier)

Term Dates  
From 04/08/2011 To 06/06/2011

Approved: [Signature]



**Attachment to Grant**

IBFS File No SES-STA-20110204-00112, SES-STA-20110204-00113, SES-STA-20110204-00114, SES-STA-20110204-00115

Call Sign E070014, **E070273**, E98005, E980081

February 4, 2011

The request of EchoStar Corporation (EchoStar) for special temporary authority, IBFS File Nos. SES-STA-20110204-00112, SES-STA-20110204-00113, SES-STA-20110204-00114, SES-STA-20110204-00115, is granted. Accordingly, EchoStar is authorized, for a period of 30 days, to conduct telemetry, tracking, and telecommand operations necessary to drift the EchoStar 6 space station (Call Sign S2232) from the 61.65° W.L. orbital location to the 76.95° W.L. orbital location and to maintain it at the 76.95° W.L. orbital location. Specifically, EchoStar is authorized to use the 17305 MHz frequency for the telecommand uplink and the 12203 and 12204 MHz frequencies for the telemetry and beacon downlinks during these operations. This authorization shall be in accordance with the technical specifications set forth in EchoStar's application, the Commission's rules, and is subject to the following conditions:

- 1) EchoStar shall coordinate all drift orbit telemetry, tracking, and telecommand operations with other potentially affected in-orbit operators.
- 2) EchoStar shall notify DIRECTV of its use of the 17305 MHz telecommand frequency during the drift of EchoStar 6. EchoStar shall confirm this notification to the Commission via a supplement to its application filed electronically in IBFS no later than February 7, 2011, and send copies of the supplement by email to Mark Young and Paul Blais of the Commission's staff, [mark.young@fcc.gov](mailto:mark.young@fcc.gov) and [paul.blais@fcc.gov](mailto:paul.blais@fcc.gov).
- 3) All operations shall be on an unprotected and non-harmful interference basis, *i.e.* EchoStar shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication station.
- 4) In the event that any harmful interference is caused as a result of operations of the EchoStar 6 satellite, EchoStar shall cease operations immediately upon notification of such an event, and shall inform the Commission immediately, in writing, of the event.
- 5) Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at EchoStar's own risk.
- 6) This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.



File# SES-STA-20110401-00399

Call Sign E070273 Grant Date 04/08/2011

(or other identifier)

Term Dates  
From 04/07/2011 To 06/06/2011

Approved: Paul E. Haeb

*"60 days with conditions"*

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554**

	)	
	)	File No. SES-STA-_____ - _____
In the Matter of	)	File No. SES-STA-20110225-00205
ECHOSTAR CORPORATION	)	File No. SES-STA-20110207-00120
Application To Renew Special Temporary	)	Call Sign E050017
Authority To Operate Three	)	File No. SES-STA- <u>20110401-00399</u>
Transmit/Receive Earth Stations with	)	File No. SES-STA-20110225-00203
EchoStar 6 at 76.95° W.L.	)	File No. SES-STA-20110207-00121
	)	Call Sign E070273
	)	File No. SES-STA-_____ - _____
	)	File No. SES-STA-20110225-00204
	)	File No. SES-STA-20110207-00122
	)	Call Sign E980081
	)	

**APPLICATION FOR SPECIAL TEMPORARY AUTHORITY<sup>1</sup>**

By this Application, EchoStar Corporation (“EchoStar”)<sup>2</sup> requests renewal of its special temporary authority (“STA”) for an additional 60 days<sup>3</sup> (1) to operate two transmit/receive earth stations (Call Signs E070273 and E980081) to provide only telemetry, tracking and control (“TT&C”); and (2) to operate one transmit/receive earth station (Call Sign E050017) to provide

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<sup>1</sup> In conjunction with this application, EchoStar is filing an application to renew its STA to operate EchoStar 6 at 76.95° W.L. for an additional 60 days (“Satellite STA Application”).

<sup>2</sup> On February 24, 2011, EchoStar Corporation filed an application requesting consent to the *pro forma* assignment of its authorization to operate the above-referenced earth stations and the associated special temporary authority to operate them with the EchoStar 6 satellite operating at 76.95° W.L. under temporary authority to EchoStar Broadcasting Corporation. File No. SES-ASG-INTR2011-00567 (filed Feb. 24, 2011). EchoStar requests that, in the event this STA request is granted prior to consummation of the *pro forma* assignment, that EchoStar be authorized to assign any authority granted in response to this request on a *pro forma* basis to EchoStar Broadcasting Corporation.

<sup>3</sup> See 47 C.F.R. §25.120(b)(3).

both TT&C and feeder link communications for the EchoStar 6 satellite at 76.95° W.L. The current authority expires on April 10, 2011.<sup>4</sup>

EchoStar 6 arrived at the 76.95° W.L. orbital location on February 13, 2011, and began providing service on February 14, 2011. The relocation was prompted by a single event upset (“SEU”) that temporarily affected the EchoStar 8 satellite.<sup>5</sup> On March 14, 2011, EchoStar filed an application to transfer the satellite to QuetzSat, S. de R.L. de C.V. (“QuetzSat”), which will operate the satellite under Mexican authority from the 76.95° W.L. orbital location.<sup>6</sup> EchoStar also filed an application to modify its blanket earth station authorization to provide service from the Mexican-licensed EchoStar 6 satellite.<sup>7</sup> This request is necessary to allow EchoStar to continue operating EchoStar 6 while these applications remain pending.

The Mexican concessionaire for the 77° W.L. orbital location informed COFETEL of EchoStar 6’s relocation, and COFETEL “expressed no objection to placement of the Echo 6 satellite in the 77 W cluster.”<sup>8</sup>

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<sup>4</sup> File Nos. File No. SES-STA-20110225-00205; File No. SES-STA-20110225-00203; File No. SES-STA-20110225-00204 (granted Mar. 2, 2011).

<sup>5</sup> See Letter from Petra A. Vorwig, Counsel for EchoStar Corporation, to Marlene H. Dortch, Secretary, FCC, filed in File No. SAT-T/C-20090217-00026 (Feb. 1, 2011).

<sup>6</sup> See File No. SAT-T/C-20110314-00054 (filed Mar. 14, 2011).

<sup>7</sup> See File No. SES-MFS-20110314-00288 (filed Mar. 14, 2011) (“Blanket Earth Station Application”). See also File Nos. SES-MFS-20110314-00291, SES-MFS-20110314-00290, SES-MFS-20110314-00289 (modifying the above referenced earth station licenses).

<sup>8</sup> See Letter from Ricardo Ríos Ferrer, Legal Representative, QuetzSat, S. de R.L. de C.V., to EchoStar Satellite Service LLC (Feb. 4, 2011), filed in File No. SAT-STA-20110207-00026, Attachment 2.

## **I. BACKGROUND**

The nominal 77° W.L. orbital location is allotted to Mexico under the Region 2 Broadcasting-Satellite Service plan set forth in Appendices 30 and 30A to the International Radio Regulations. In addition to the EchoStar 6 satellite, EchoStar currently operates three Direct Broadcast Satellites (“DBS”) at the nominal 77° W.L. orbital location under Mexican authority issued to its partner, QuetzSat, S. de R.L. de C.V. (“QuetzSat”): EchoStar 1, EchoStar 4, and EchoStar 8. The satellites are used by EchoStar’s customers, DISH Network L.L.C. (“DISH”) and DISH Mexico, to provide DBS service in the United States and Mexico, respectively. The U.S. service includes local-into-local programming in a number of markets in the southern United States.

EchoStar 6, operating with EchoStar 1 and EchoStar 8 at 77° W.L., will provide sufficient capacity to avoid service disruptions from that slot in the event any of the satellites experience a problem. EchoStar 1, a satellite launched in December 1995, has limited capability (only up to 16 transponders), and EchoStar 4, having reached the end of its design life, has been retired from commercial service.

## **II. GRANT OF THIS APPLICATION IS IN THE PUBLIC INTEREST**

The requested renewal is in the public interest for the reasons set forth in the Satellite STA Application and the Blanket Earth Station Application, which are incorporated herein by reference. Furthermore, grant of this application will ensure the continued safe operation of EchoStar 6 at the 76.95° W.L. orbital location. Grant of this application will not cause harmful interference because EchoStar will operate the earth stations to conduct TT&C operations and

feeder link communications while EchoStar 6 is operating at 76.95° W.L. in accordance with the conditions imposed on the original grant.<sup>9</sup>

### **III. WAIVER PURSUANT TO SECTION 304 OF THE ACT**

In accordance with Section 304 of the Communications Act of 1934, as amended, 47 U.S.C. § 304, EchoStar hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise.

### **IV. CONCLUSION**

For the foregoing reasons, EchoStar respectfully requests a renewal of its special temporary authority to operate two transmit/receive earth stations (Call Signs E070273 and E980081) to provide TT&C service, and to operate one transmit/receive earth station (Call Sign E050017) to provide both TT&C service and feeder link communications for EchoStar 6 at 76.95° W.L. for an additional 60 days.

Respectfully submitted,

Pantelis Michalopoulos  
Petra A. Vorwig  
L. Lisa Sandoval  
**Steptoe & Johnson LLP**  
1330 Connecticut Avenue, NW  
Washington, D.C. 20036  
(202) 429-3000  
*Counsel for EchoStar Corporation*

/s/  
Alison Minea  
Corporate Counsel  
**EchoStar Corporation**  
1110 Vermont Avenue, NW, Suite 750  
Washington, D.C. 20005  
(202) 293-0981

April 1, 2011

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<sup>9</sup> File Nos. SES-STA-20110207-00120; SES-STA-20110207-00121 ; SES-STA-20110207-00122 (granted Feb. 10, 2011).

**2. Contact**

**Name:** Pantelis Michalopoulos      **Phone Number:** 202-429-6494  
**Company:** Steptoe & Johnson LLP      **Fax Number:**  
**Street:** 1330 Connecticut Ave. NW      **E-Mail:**  
**City:** Washington      **State:** DC  
**Country:** USA      **Zipcode:** 20036      **Relationship:** Legal Counsel  
**Attention:**

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number SESSSTA2011022500203 or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. IF No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity       Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification      CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant       Change Station Location       Other

6. Requested Use Prior Date

7. City Quicksburg

8. Latitude  
(dd mm ss.s h)      38    43    24.3    N

9. State VA	10. Longitude (dd mm ss.s h) 78 40 0.2 W
11. Please supply any need attachments. Attachment 1: Narrative Attachment 2: Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) EchoStar Corporation requests renewal of its Special Temporary Authority to operate its earth station to provide TT&C for EchoStar 6 at 76.95 W.L. See attached narrative.	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Alison Minea	15. Title of Person Signing Corporate Counsel
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	



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